Application No.: 09/746,174   Attorney Docket No.: EMC2-085PUS
Reply to Office Action of August 25, 2004

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. Canceled

2. (previously presented) A method for performing a check of the parity bit of a Cyclic Redundancy Check (CRC) of data, such data comprising a plurality of bytes, each byte having a parity bit, such method comprising:

generating parity of the parity bits of the plurality of data bytes;

comparing such generated parity with the parity bit of the CRC of the data.

3. (previously presented) A method for determining Cyclic Redundancy Check (CRC) parity of data, such data having byte parity bits, the data having a CRC, comprising:

comparing the parity of the byte data parity bits with the parity bit of the CRC of the data.

4. (currently amended) A method comprising:

receiving data having a Cyclic Redundancy Check (CRC) and having a plurality of N bytes: $[D(0), D(1), ... ,D(N-1)]$ each byte $D(M)$ having a parity bit $P(M)$;

computing the parity of $[P(0), P(1), ...P(N-1)]$; and

comparing the computed parity of the plurality of N bytes of the data with a parity bit of the CRC of the data.

5. (currently amended) A method for computing parity, p, of the Cyclic Redundancy Check (CRC) of data protected with such CRC, comprising:

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receiving data having a plurality of N bytes: [D(0), D(1), ... ,D(N-1)] each byte
D(M) having a parity bit P(M);

computing the parity of [P(0), P(1), ...P(N-1)], such computed parity being equal
to the parity p of the CRC; and

comparing the computed parity with the parity bit p of the CRC of the data.

6. (currently amended) A method for determining a parity, p, error of the Cyclic
Redundancy Check (CRC) of data protected with such CRC, comprising:

receiving data having a plurality of N bytes: [D(0), D(1), ... ,D(N-1)] each
byte D(M) having a parity bit P(M);

computing the parity, PP, of [P(0), P(1), ...P(N-1)];

comparing the computed parity PP with the parity p of the CRC, a
difference between PP and p indicating an error in p.

7. (previously presented) A method for determining a parity error of the Cyclic
Redundancy Check (CRC) of DATA, such DATA comprising a series of data words
terminating in a CRC portion, such method comprising:

receiving data having a plurality of N bytes: [D(0), D(1), ... ,D(N-1]) each byte
D(M) having a parity bit P(M);

computing the parity of [P(0), P(1), ...P(N-1)];

comparing the computed parity with the parity of the CRC, a difference between
the computed parity and of the parity of the CRC indicating an error in the parity
of the CRC.

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